

Total Maximum Daily Load Progress Report

Shelter Island Shoreline Park in San Diego Bay Indicator Bacteria TMDL

Regional Water Board	San Diego, Region 9
Beneficial uses affected:	REC-1
Pollutant(s) addressed:	Indicator Bacteria
Implemented through:	MS4 Permits, BMP
Approval date:	October 26, 2009

STATUS

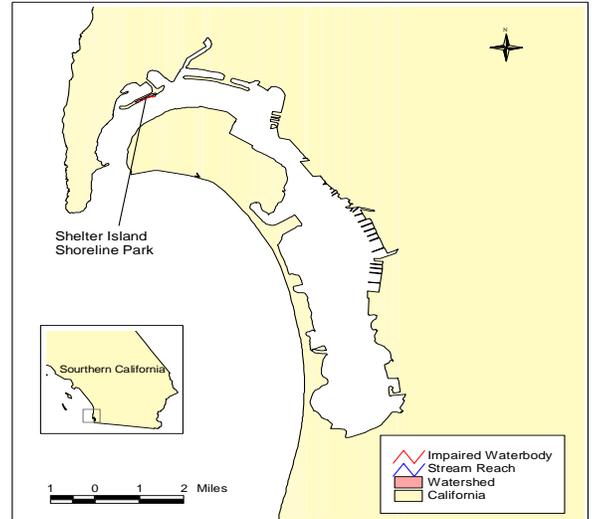
- Conditions Improving
- Data Inconclusive
- Improvement Needed
- TMDL Achieved/Waterbody Delisted

TMDL Summary

Shelter Island Shoreline Park (SISP), located within San Diego Bay, has historically exceeded water quality objectives for indicator bacteria (total coliform, fecal coliform, and/or Enterococcus), threatening or impairing water contact (REC-1) beneficial use of the waterbody. SISP was listed in the 2002 303(d) List for bacteria impairment. The San Diego Water Board adopted a [TMDL for indicator bacteria](#) in June 2008, which went into effect on September 15, 2009, after approval from the Office of Administrative Law, and was approved by the U.S. EPA in October 2009.

The TMDL was calculated through watershed and receiving water modeling using different numeric targets for wet weather (single sample maximum) and dry weather (single sample maximum and geometric mean) conditions. The TMDL is implemented through MS4 permits and Best Management Practices (BMPs). The TMDL calls for achievement of targets by 2011.

Shelter Island/San Diego Bay



TMDL Waste Load Allocations/Load Allocations

Indicator Bacteria	TMDL	Load Allocations	Waste Load Allocations
Dry Weather			
	Billion MPN/day	Billion MPN/day	Billion MPN/day
Total Coliform	16,080	16,080	0
Fecal Coliform	1,380	1,380	0
Enterococcus	351	351	0
Wet Weather			
	Billion MPN/30 day	Billion MPN/30 day	Billion MPN/30 day
Total Coliform	482,598	482,400	198
Fecal Coliform	41,408	41,400	8
Enterococcus	10,556	10,530	26

Water Quality Outcomes

- Based on the [Annual Beach Report Card \(BRC\)](#) published by [Heal the Bay](#), water quality with respect to indicator bacteria has improved since 2000. [The BRC grading system is based on scientific methods developed by various governmental and research organizations, and is endorsed by the State Water Board. The system uses a 100-point scale, with grades of A (90-100), B (80-89), C (70-79), D (60-69), and F (<60).]
- Additional water quality data are needed to support delisting from the 303(d) List.

Shelter Island Shoreline Park San Diego Bay

